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Sep 18, 2003

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TITLE: Abrasive particles containing sintered, polycrystalline zirconia

PUBLICATION-DATE: September 18, 2003

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Castro, Darren T.	Woodbury	MN	US	
Jehring, Vincent W.	Stillwater	MN	US	
Rosenflanz, Anatoly Z.	Maplewood	MN	US	
Wood, Thomas E.	Stillwater	MN	US	

ASSIGNEE-INFORMATION:

NAME	CITY	STATE	COUNTRY	TYPE	CODE
3M Innovative Properties Company				02	

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REPRESENTATIVE-FIGURES: 1

ABSTRACT:

Abrasive particles and methods of making abrasive particles are disclosed. The abrasive particles may be incorporated into a variety of abrasive articles, including bonded abrasives, coated abrasives, nonwoven abrasives, and abrasive brushes.

Set Name Query

side by side

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result set

*DB=USPT,PGPB; PLUR=YES; OP=ADJ*L13 110 not 11220 L13L12 110 and (sintered or sintering) near3 (abrasive or zirconia or zirconium or "zro.sub.2")21 L12L11 L10 and (polycrystal or polycrystalline) near2 (zirconia or zirconium or "zro.sub.2")2 L11L10 11 or 12 or 13 or 14 or 1541 L10*DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*L9 L6 and (binder or bond or bonding)10 L9L8 L6 and binder7 L8L7 L6 and abrasive and binder0 L7L6 polycrystalline near3 (zirconia or zirconium or "zro.sub.2")74 L6*DB=USPT,PGPB; PLUR=YES; OP=ADJ*L5 (((501/103|501/104 |501/105)!.CCLS.) and (zirconia or zirconium) near10 (alumina or aluminum or silicon or silica)) AnD (((@pd > 20030331)!))15 L5L4 (L2 and (contain or content or amount or concentration) near5 (zirconia or zirconium)) AnD (((@pd > 20030331)!))14 L4L3 (((51/307|51/308 |51/309)!.CCLS.) and abrasive adj (particle or grain) near10 stabilized near3 (zirconia or zirconium)) AnD (((@pd > 20030331)!))1 L3L2 (((51/307|51/308 |51/309)!.CCLS.) and abrasive adj (particle or grain) near10 (zirconia or zirconium)) AnD (((@pd > 20030331)!))29 L2L1 (((501/103|501/104 |501/105)!.CCLS.) and abrasive) AnD (((@pd > 20030331)!))5 L1

END OF SEARCH HISTORY

Set Name Query

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*DB=USPT,PGPB; PLUR=YES; OP=ADJ*L11 L10 and (polycrystal or polycrystalline) near2 (zirconia or zirconium or "zro.sub.2")2 L11L10 l1 or l2 or l3 or l4 or l541 L10*DB=JPAB,EPAB,DWPI,TDBD; PLUR=YES; OP=ADJ*L9 L6 and (binder or bond or bonding)10 L9L8 L6 and binder7 L8L7 L6 and abrasive and binder0 L7L6 polycrystalline near3 (zirconia or zirconium or "zro.sub.2")74 L6*DB=USPT,PGPB; PLUR=YES; OP=ADJ*L5 (((501/103|501/104 |501/105)!.CCLS.) and (zirconia or zirconium) near10 (alumina or aluminum or silicon or silica)) AnD (((@pd > 20030331)!)15 L5L4 (L2 and (contain or content or amount or concentration) near5 (zirconia or zirconium)) AnD (((@pd > 20030331)!)14 L4L3 (((51/307|51/308 |51/309)!.CCLS.) and abrasive adj (particle or grain) near10 stabilized near3 (zirconia or zirconium)) AnD (((@pd > 20030331)!)1 L3L2 (((51/307|51/308 |51/309)!.CCLS.) and abrasive adj (particle or grain) near10 (zirconia or zirconium)) AnD (((@pd > 20030331)!)29 L2L1 (((501/103|501/104 |501/105)!.CCLS.) and abrasive) AnD (((@pd > 20030331)!)5 L1

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